

FlexPower 50

Features & Benefits

- Wall-mount or pole-mount 48-volt DC uninterruptible power system
- Unobtrusive, aesthetically pleasing enclosure
- Optional battery heater extends battery life and run-time in cold locations
- Local alarm indicators and remote status monitoring and reporting
- Wide-range power input capability accepts nearly any AC voltage/frequency combination
- Product is RoHS compliant
- NRTL compliance to UL/CSA 60950, EN 60950 and FCC Part 15, Class B



The FlexPOWER Model 50-120/60-48 power system supports applications such as fiber-to-the-home, telecommunications, data and other related services. This product is offered in an environmentally hardened (rainproof, weatherproof) enclosure suitable for wall-mount or pole-mount sites, in either indoor or outdoor locations. The enclosed power system offers 48-volt DC power with a 48-volt, 7.2 amp-hour standby battery to maintain service through power brownouts or blackouts. Transfer to standby power is seamless with no interruption of output.

FlexPower 50

Stock ID	017-057-20
Description	Standby 48VDC, 50 Watt Power System
Dimensions	N/A
Weight	N/A
UOM	Each

Input Voltage	90 to 265 VAC
Input Frequency	47 to 63Hz
Power Factor	0.9 or better at any load
Output Power	50 VA
Output Voltage (nominal)	48 VDC (adjustable)
Voltage Adjustment Range	42 to 58 VDC
Output Current (nominal)	1 amp DC
Output Ripple	Less than 25mV RMS

Input Protection	Replaceable fuse rated at 1-ampere Replaceable metal oxide varistors (MOVs) at input
Output Protection	Current limit and overvoltage shutdown; fused battery
Operating Temperature	-40°F to 149°F (-40°C to 65°C)
Storage Temperature	-58°F to 158°F (-50°C to 70°C)
Humidity	0 to 95% non-condensing
Alarms	LED battery Status / Alarm
Battery	Four 7.2 amp-hour maintenance-free VRLA batteries
Output Noise (voice band)	Less than 1.8 volts peak-to-peak

Order From:



Toll Free: 800-423-2594
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FlexPower 150 and 300

Features & Benefits

- Primary power conversion for 48-volt DC UPS applications
- Provides equipment operating power with simultaneous battery charging capability
- Temperature compensating charging for long battery life and optimum standby time
- Local LCD display and remote status monitoring and reporting
- Wide-range power input capability accepts nearly any AC voltage/frequency combination
- Product is RoHS compliant
- NRTL compliance to UL/CSA 60950, EN 60950 and FCC Part 15, Class B



The FlexPOWER Model 150 and 300 power conversion modules provide nominal 48-volt DC output using commercial AC line as the input power source. Output DC is used to power MDU, MTU and SBU applications while maintaining a standby battery in a state of full charge. This product is designed for use in the FlexPOWER Enclosure that enables construction of larger capacity semi-customized power systems serving telecommunications, data and video services. Either four or eight standby batteries may be used with this power module, providing either 7.2 or 14.4 ampere-hour standby capability. Ethernet friendly.

FlexPower 150

Stock ID	017-058-20
Description	48VDC, 150 Watt Power Module
Dimensions	N/A
Weight	N/A
UOM	Each

FlexPower 300

Stock ID	017-059-20
Description	48VDC, 300 Watt Power Module
Dimensions	N/A
Weight	N/A
UOM	Each

	150	300
Input Voltage	90 to 265 VAC	
Input Frequency	47 to 63Hz	
Power Factor	0.9 or better at any load	
Output Power	150 VA	300 VA
Output Voltage (nominal)	48 VDC (adjustable)	
Voltage Adjustment Range	9 to 16 VDC	42 to 58 VDC
Output Current (nominal)	3.1 amp DC	6.2 amp DC
Output Ripple	Less than 3mV RMS	

	150	300
Input Protection	External fuse or circuit breaker required Replaceable metal oxide varistors (MOVs) at input	
Output Protection	Current limit and overvoltage shutdown	
Operating Temperature	-40°F to 149°F (-40°C to 65°C)	
Storage Temperature	-58°F to 158°F (-50°C to 70°C)	
Humidity	0 to 95% non-condensing	
Alarms	Built-in LCD display for operating parameters and alarms	
Battery	Supports (4) or (8) 7.2 amp-hour maintenance-free VRLA batteries	
Output Noise (voice band)	Less than 90mV peak-to-peak	

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Black Hawk HD3



Features & Benefits

- Pure high efficiency sine wave output.
- Status at a glance
- Compact Module Design
- Heavy Duty 300 Watt power supply
- Industry standard Phoenix™ connectors
- Black Hawk Programmable Liquid Crystal Display
- Preventative and self-diagnostic maintenance features
- Used for backup power in MDU, commercial, and redundancy applications
- Available with embedded Ethernet/DOCSIS SNMP monitoring

Product Description

The Black Hawk HD3 is designed for powering applications that require fast and easy powering of AC power nodes in broadband networks utilizing MDU, commercial, and industrial applications. The heavy duty and high efficiency output of the Black Hawk HD3 delivers constant efficiency when powering your broadband plant. The increased efficiency will reduce your overall network operating cost. The HD3 features 300 watts of constant performance with highly efficient 12 volt inverter for constant powering of MDU, business parks and node segmentations, and in deep fiber plant extensions (N+0 and N+1). The pure sinewave design and ethernet/DOCSIS based status monitoring provides trouble-free maintenance of your network.



Specialized Enclosure Available

Product Specifications

Stock ID: 017-063-21			
Nominal Input Voltage (VAC):	120	Battery Charger Modes	Protection/Bulk/Equalization/Float
Input Voltage Range (VAC):	100 to 132	Charger Current Limit (A):	8
Input Frequency:	60Hz	Temperature Compensation:	up to 5mV/cell/°C
Frequency Tolerance:	±5%	Float Voltage (VDC):	2.24 to 2.35/cell
Number of Outputs:	2	Shutdown Voltage (VDC):	1.6 to 2.0/cell
Output Voltage (VAC):	63/89	Dimensions	
Total Output Current (A):	4.8/3.4	Height:	8.3in / 210mm
Total Output Power (VA):	300	Width:	8.7in / 220mm
Waveform:	Sine Wave	Depth:	7.9in / 200mm
Output Voltage Regulation:	-5%/+2%	Weight:	21 lbs / 9.5kg
Total Harmonic Distortion (THD):	<3%	Mounting:	Shelf mounted
Output Frequency Stability:	±0.2%	Storage Temp:	-40 to 80°C / -40° to 176°F
Output Overload Capacity:	110% for 10 minutes / 150% for 10 seconds	Operating Temp:	-40 to 60°C / -40° to 140°F
Output Current Protection:	5A Thermal Circuit Breakers	Relative Humidity (non-condensing):	0-95% (min.-max.)
Transfer Time:	<4mS typical	Compliance Standards*:	FCC Part 15 Class A UL / CSA 1778
Battery Voltage (VDC):	12		

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